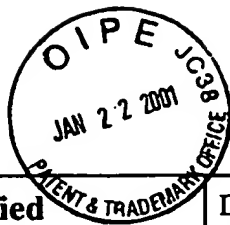


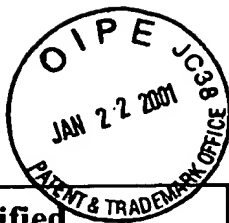


Sheet 1 of 5

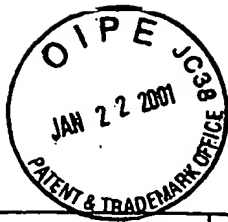
Form PTO-1449 Modified List of Patent and Publications Cited by Applicant U.S. Department of Commerce Patent and Trademark Office		Docket No. UPAP-0287	Serial No. 09/486,625
		Applicant Ayyavoo et al.	
		Filing Date September 13, 2000	Group 1643
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
BP	AA	Aldrovandi, et al., "Replication and Pathogenicity of Human Immunodeficiency Virus Type 1 Accessory Gene Mutants in SCID-hu Mice", <i>J. Virology</i> , 1996, Vol. 70, No. 3, pp. 1505-1511	
	AB	Ameisen, et al., "Antibody Response to the HIV-1 Regulatory GEI Products NEF, VIF, and VPR in HIV-1 Infectious Seronegative Individuals," <i>Int Conf. AIDS</i> , 1989, Vol. 5, Page 533	
	AC	Ayyavoo, et al., "Analysis of Genetic Heterogeneity, Antigenicity, and Biological Characteristics of HIV-1 in a Maternal Transmitter and Nontransmitter Patient Pair," <i>DNA and Cell Biology</i> , 1996, Vol. 15, No. 7, pp. 571-580	
	AD	Arya et al., "Three Novel Genes of Human T-lymphotropic Virus Type III: Immune Reactivity of their Products with Sera from Acquired Immune Deficiency Syndrome Patients," <i>Proc. Natl. Acad. Sci. USA</i> , 1986, Vol. 83, pp. 2209-2213	
	AE	Blanc et al., "Transcomplementation of VIF- HIV-1 Mutants in CEM Cells Suggests That VIF Affects Late Steps of the Viral Life Cycle," <i>Virology.</i> , 1993, Vol. 193, pp. 186-192	
	AF	Borman et al., "Human Immunodeficiency Virus Type 1 Vif- Mutant Particles from Restrictive Cells: Role of Vif in Correct Particle Assembly and Infectivity," <i>J. Virol</i> , 1995, Vol. 69, No. 4, pp. 2058-2067	
	AG	Cullen et al., "Regulatory Pathways Governing HIV-1 Replication," <i>Cell</i> , 1989, Vol. 58, pp. 423-426	
	AH	Desrosiers, "HIV with Multiple Gene Deletions as a Live Attenuated Vaccine for AIDS," <i>AIDS Res. And Human Retroviruses</i> , 1992, Vol. 8, No. 3, pp. 411-421	
	AI	Dougherty et al., "Determination of the Rate of Base-Pair Substitution and Insertion Mutations in Retrovirus Replication," <i>J. Virol</i> , 1988, Vol. 62, No. 8, pp. 2817-2822	
	AJ	Fisher et al., "Biologically Diverse Molecular Variants Within a Single Hiv-1 Isolate," <i>Nature</i> , 1988, Vol. 334, pp. 444-447	
	AK	Fynan et al., "Dna Vaccines: Protective Immunization by Parenteral, Mucosal, and Gene-gun Inoculations," <i>Proc. Natl. Acad. Sci. USA</i> , 1993, Vol. 90, pp. 11478-11482	
✓	AL	Gabuzda et al., "Role of vif in Replication of Human Immunodeficiency Virus Type 1 in CD4+ T Lymphocytes," <i>J. Virol</i> , 1992, Vol. 66, No. 11, pp. 6489-6495	
EXAMINER <i>Bo Prug</i>		DATE CONSIDERED <i>2/16/06</i>	



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant U.S. Department of Commerce Patent and Trademark Office		Docket No. UPAP-0287	Serial No. 09/486,625
		Applicant Ayyavoo et al.	
		Filing Date September 13, 2000	Group 1643
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
BP	AM	Garrett et al., "Rev Activates Expression of the Human Immunodeficiency Virus Type 1 <i>vif</i> and <i>vpr</i> Gene Products," <i>J. Virol</i> , 1992, Vol. 65, No. 3, pp. 1653-1657	
↓	AN	Gibbs et al., "Construction and <i>In Vitro</i> Properties of HIV-1 Mutants with Deletions in "Nonessential" Genes," <i>Aids Res. And Human Retroviruses</i> , 1994, Vol. 10, No. 4, pp. 343-350	
	AO	Goncalves et al., "Subcellular Localization of the Vif Protein of Human Immunodeficiency Virus Type 1," <i>J. Virol</i> , 1994, Vol. 68, No. 2, pp. 704-712	
	AP	Guy et al., "A Specific Inhibitor of Cysteine Proteases Impairs a Vif-Dependent Modification of Human Immunodeficiency Virus Type 1 Env Protein," <i>J. Virol</i> , 1991, Vol. 65, No. 3, pp.1325-1331	
	AQ	Hevey et al., "Complementation of Human Immunodeficiency Virus Type 1 <i>vif</i> Mutants in Some CD4+ T-Cell Lines," <i>Virus Res</i> , 1994, Vol. 33, pp. 269-280	
	AR	Kan et al., "Identification of HTLV-III/LAV <i>sor</i> Gene Product and Detection of Antibodies in Human Sera," <i>Science</i> , 1986, Vol. 231, pp. 1553-1555	
	AS	Lamhamedi et al., "Qualitative and Quantitative Analysis of Human Cytotoxic T-lymphocyte Responses to HIV-1 Proteins," <i>AIDS</i> , 1992, Vol. 6, No. 11, pp. 1249-1258	
	AT	Ma et al, " Cysteine Residues in the Vif Protein of Human Immunodeficiency Virus Type 1 Are essential for Viral Infectivity," <i>J. Virol</i> , 1994, Vol. 68, No. 3, pp. 1714-1720	
	AU	Mahalingam et al., "The Carboxy-Terminal Domain is Essential for Stability and Not for Virion Incorporation of HIV-1 Vpr into Virus Particles," <i>Virol</i> , 1995, Vol. 214, pp. 647-652	
	AV	Meyerhans et al., "Temporal Fluctuations in HIV Quasispecies in Vivo Are Not Reflected by Sequential HIV Isolations," <i>Cell</i> , 1989, Vol. 58, pp. 901-910	
	AW	Michael et al., "Defective Accessory Genes in a Human Immunodeficiency Virus Type 1-Infected Long-Term Survivor Lacking Recoverable Virus," <i>J. Virol</i> , 1995, Vol. 69, No. 7, pp. 4228-4236	
↓	AX	Nagashunmugam et al., "Cell-Free HIV-1 _{Zr6} <i>vif</i> Mutants Are Defective in Binding to Peripheral Blood Mononuclear Cells and in Internalization," <i>DNA Cell Biol.</i> , 1996, Vol. 15, No. 5, pp. 353-361	
EXAMINER <i>Bailey</i>		DATE CONSIDERED <i>2/16/06</i>	



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant U.S. Department of Commerce Patent and Trademark Office		Docket No. UPAP-0287	Serial No. 09/486,625
		Applicant Ayyavoo et al.	
		Filing Date September 13, 2000	Group 1643
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
BP	AY	Oberste et al., "Conservation of Amino Acid Sequence Motifs in Lentivirus Vif Proteins," <i>Virus Genes</i> , 1992, Vol. 6, No. 1, pp. 95-102	
	AZ	Pircher et al., "Viral Escape by Selection of Cytotoxic T Cell-Resistant Virus Variants <i>in Vivo</i> ," <i>Nature</i> , 1985, Vol. 346, pp. 629-633	
	BA	Ratner et al., "Complete Nucleotide Sequence of the AIDS Virus, HTLV-III," <i>Nature</i> , 1985, Vol. 313, pp. 277-284	
	BB	Sakai et al., "Cell Dependent Requirement of Human Immunodeficiency Virus Type 1 Vif Protein for Maturation of Virus Particles," <i>J. Virol</i> , 1993, Vol. 67, No. 3, pp. 1663-1666	
	BC	Schwartz et al., "Expression of Human Immunodeficiency Virus Type 1 vif and vpr mRNAs Is Rev-dependent and Regulated by Splicing," <i>Virol</i> , 1991, Vol. 183, pp. 677-686	
	BD	Schwander et al., "Prevalance of Antibodies to Recombinant Virion Infectivity Factor in the Sera of Prospectively Studied Patients with HIV-1 Infection," <i>J. of Medical Virol</i> , 1992, Vol. 36, pp. 142-146	
	BE	Shackett et al., "Analysis of the vif Gene of Feline Immunodeficiency Virus," <i>Virol</i> , 1994, Vol. 204, pp. 860-867	
	BF	Sodroski et al., "Replicative and Cytopathis Potential of HTLV-III/LAV with <i>sor</i> Gene Deletions," <i>Science</i> , 1986, Vol. 231, pp. 1549-1553	
	BG	Sova et al., "Conservation of an Intact Human immunodeficiency Virus Type-1 vif gene In Vitro and In Vivo," <i>J. Virol</i> , 1995, Vol. 69, No. 4, pp. 2557	
	BH	Srinivasan et al., "Molecular Characterization of Human Immunodeficiency Virus from Zaire: Nucleotide Sequence Analysis Identifies Conserved and Variable Domains in the Envelope Gene," <i>Gene</i> , 1987, Vol. 52, pp. 71-82	
	BI	Tang et al., " Genetic Immunization is a Simple Method for Eliciting an Immune Response," <i>Nature</i> , 1992, Vol. 356, pp. 152-154	
	BJ	Trono., " HIV Accessory Proteins: Leading Roles for the Supporting Cast," <i>Cell</i> , 1995, Vol. 82, pp. 189-192	
EXAMINER <i>Barney</i>		DATE CONSIDERED <i>2/16/06</i>	



Sheet 4 of 5

Form PTO-1449 Modified		Docket No. UPAP-0287	Serial No. 09/486,625
List of Patent and Publications Cited by Applicant		Applicant Ayyavoo et al.	
U.S. Department of Commerce Patent and Trademark Office		Filing Date September 13, 2000	Group 1643
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
BP	BK	Ulmer et al., " Heterologous Protection Against Influenza by injection of DNA Encoding a Viral Protein," <i>Science</i> , 1993, Vol. 259, pp. 1745-1749	
	BL	Volsky et al., " the Human Immunodeficiency Virus Type 1 <i>vif</i> Gene: The Road from an Accessory to an Essential Role in Human Immunodeficiency Virus Type 1 Replication," <i>Curr. Topics Micro. Immunol.</i> , 1995, Vol. 193, pp. 157-168	
	BM	von Schwedler et al., " <i>vif</i> Is Crucial for Human Immunodeficiency Virus Type 1 Proviral DNA Synthesis in Infected Cells," <i>J. Virol.</i> , 1993, Vol. 67, No. 8, pp. 4945-4955	
	BN	Wang et al., " Gene Inoculation Generates Immune Responses Against Human Immunodeficiency Virus Type 1," <i>Proc. Natl. Acad. Sci. USA</i> , 1993, Vol. 90, pp. 4156-4160	
	BO	Wang et al., "DNA Inoculation Induces Neutralizing Immune Responses Against Human Immunodeficiency Virus Type 1 in Mice and Nonhuman Primates," <i>DNA And Cell Biol.</i> , 1993, Vol. 12, No. 9, pp. 799-805	
	BP	Wang et al., " Nucleic acid-based Immunization Against HIV-1 Induction of Protective <i>in vivo</i> Immune Responses," <i>AIDS</i> , 1995, Vol. 9 (Suppl. A), pp. S159-S170	
	BQ	Wolfs et al., "Naturally Occurring Mutations within HIV-1 V3 Genomic RNA Lead to Antigenic Variation Dependent on a Single Amino Acid Substitution," <i>Virol.</i> , 1991, Vol. 185, pp. 195-205	
	BR	Wieland et al., " In Vivo Genetic Variability of the HIV-1 <i>vif</i> Gene," <i>Virol.</i> , 1994, Vol. 203, pp. 43-51	
	BS	Wieland et al., "Antigenic Domains of the HIV-1 <i>vif</i> Protein as Recognized by Human Sera and Murine Monoclonal Antibodies," <i>AIDS Res. Human. Retrovir.</i> , 1991, Vol. 7, No. 11, pp. 861-867	
✓	BT	Yang et al., "Phosphorylation of Vif and Its Role in HIV-1 Replication," <i>J. Biol. Chem.</i> , 1996, Vol. 271, No. 17, pp. 10121-10129	
EXAMINER		DATE CONSIDERED	
B. P. R. G.		2/16/06	



Sheet 5 of 5

Form PTO-1449 ModifiedList of Patent and Publications
Cited by ApplicantU.S. Department of Commerce
Patent and Trademark OfficeDocket No.
UPAP-0287Serial No.
09/486,625Applicant
Ayyavoo et al.Filing Date
September 13, 2000Group
1643

JAN 24 2001

RECEIVED
TECH CENTER 1600/2900**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
BP	BU	4,945,050	07/31/90	Sanford et al.	435	172.1
	BV	5,036,006	07/30/91	Sanford et al.	435	170.1
	BW	5,593,972	01/14/97	Weiner et al.	514	44
↓	BX	5,589,466	12/31/96	Felgner et al.	514	44

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES NO	
BP	BY	WO 90/11092	10/04/90	PCT		
	BZ	WO 93/17706	09/16/93	PCT		
	CA	WO 93/23552	11/25/93	PCT		
↓	CB	WO 94/16737	08/04/94	PCT		

EXAMINER

B. A. P. A. Y.

DATE CONSIDERED

2/16/06